



STATE OF IDAHO  
DEPARTMENT OF  
ENVIRONMENTAL QUALITY

1410 North Hilton • Boise, Idaho 83706-1255 • (208) 373-0502

Dirk Kempthorne, Governor  
C. Stephen Allred, Director

September 10, 2002

**CERTIFIED MAIL No. 7000 0520 0016 0850 8941**

David Z. Walters  
Valley Ready Mix, Inc.  
P.O. Box 390  
Rexburg, ID 83440

RE: AIRS Facility No. 777-00177, Valley Ready Mix, Inc., Idaho Falls, Idaho  
Final Tier II Operating Permit and Permit to Construct

Dear Mr. Walters:

The Idaho Department of Environmental Quality (Department) is issuing Tier II Operating Permit and Permit to Construct No. 777-00177 for Valley Ready Mix, Inc. in accordance with *Rules for the Control of Air Pollution in Idaho*, IDAPA 58.01.01.400 - 470 and 58.01.01.200 - 228, respectively.

The enclosed permit is effective immediately and is based on the information contained in your permit application and on the relevant comments received during the public comment period. Modification to and/or renewal of this permit shall be requested in a timely manner in accordance with the *Rules for the Control of Air Pollution in Idaho*.

Rensay Owen of the Idaho Falls Regional Office will contact you regarding a meeting with the Department to discuss the permit terms and requirements. In addition to your facility's plant manager, the Department recommends the following representatives attend the meeting: your responsible official, environmental contact, and any operations staff responsible for day-to-day compliance with the permit conditions.

You, as well as any other entity, may have the right to appeal this final agency action pursuant to IDAPA 58.01.23 (*Rules of Administrative Procedure Before the Board of Environmental Quality*). A petition may be filed with the Hearings Coordinator, Department of Environmental Quality, 1410 N. Hilton, Boise, ID 83706-1255 within 35 days of the date of this decision. However, prior to filing a petition for a contested case, the Department encourages you to contact Mike Simon at (208) 373-0502 to address any questions or concerns you may have with the enclosed permit.

Sincerely,

  
Katherine B. Kelly  
Administrator  
Air Quality Division

Enclosure

cc: Rensay Owen, Idaho Falls Regional Office  
Joan Lechtenberg, Air Quality Division

Laurie Kral, EPA - Region 10  
Kent Berry, EQM

MS/KB:bh Project No. T2-020502

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**Air Quality  
TIER II OPERATING PERMIT  
and  
PERMIT TO CONSTRUCT**

**State of Idaho  
Department of Environmental Quality**

**PERMIT NO.:** 777-00177

**CLASS:** SM

**SIC:** 3273

**UTM COORDINATE (km):**

**1. PERMITTEE**

Valley Ready Mix, Inc.

**2. PROJECT**

Tier II Operating Permit and Permit to Construct

**3. MAILING ADDRESS**

P. O. Box 390

**CITY**

Rexburg

**STATE**

ID

**ZIP**

83440

**4. FACILITY CONTACT**

David Z. Walters

**TITLE**

President

**TELEPHONE**

(208) 356-5491

**5. RESPONSIBLE OFFICIAL**

David Z. Walters

**TITLE**

President

**TELEPHONE**

(208) 356-5491

**6. EXACT PLANT LOCATION**

2500 W., 65<sup>th</sup> S., Idaho Falls

**COUNTY**

Bonneville

**7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS**

Ready Mixed Concrete

**8. PERMIT AUTHORITY**

This permit is issued according to the *Rules for the Control of Air Pollution in Idaho*, IDAPA 58.01.01.400-470 and IDAPA 58.01.01.200-228. This permit pertains only to emissions of air contaminants, which are regulated by the state of Idaho and to the sources specifically allowed to be operated by this permit.

This permit is not transferable to another person, place, or piece or set of equipment. This permit will expire if construction has not yet begun within two years of its issue date or if construction is suspended for one year.

This permit has been granted on the basis of design information presented in the application and the Idaho Department of Environmental Quality's technical analysis of the supplied information. Changes in design or equipment that result in any change in the nature or amount of emissions may be considered a modification. Modifications are subject to Department review in accordance with IDAPA 58.01.01.200 of the *Rules for the Control of Air Pollution in Idaho*.

KATHERINE B. KELLY, ADMINISTRATOR, AIR QUALITY DIVISION  
DEPARTMENT OF ENVIRONMENTAL QUALITY

**DATE ISSUED:** September 10, 2002

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## ACRONYMS, UNITS, AND CHEMICAL NOMENCLATURE

AQCR	Air Quality Control Region
ASTM	American Society of Testing and Materials
Department	Department of Environmental Quality
EPA	Environmental Protection Agency
IDAPA	A numbering designation for all administrative rules in Idaho promulgated in Accordance with the Idaho Administrative Procedures Act
km	kilometer
lb/hr	pounds per hour
NO <sub>x</sub>	oxides of nitrogen
PM	particulate matter
PM <sub>10</sub>	particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers
PTC	permit to construct
SIC	Standard Industrial Classification
SO <sub>2</sub>	sulfur dioxide
T/hr	tons per hour
T/yr	tons per year
UTM	Universal Transverse Mercator
VOC	volatile organic compound

**AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT NUMBER: 777-00177**

**Permittee:** Valley Ready Mix, Inc.  
**Location:** Portable

**Date Issued:** September 10, 2002

**1. PERMIT SCOPE*****Purpose***

- 1.1 The purpose of this Tier II operating permit and permit to construct is to revise the facility's expired Tier II operating permit, limit facility emissions to below major facility classification, and to protect ambient air quality standards.
- 1.2 This permit incorporates and replaces the following permit:
- Tier II Operating Permit No. 777-00177, issued September 27, 1996.

***Regulated Sources***

- 1.3 Table 1.1 below lists all sources of emissions that are regulated in this permit.

**Table 1.1 REGULATED EMISSIONS SOURCES**

Permit Section	Source Description	Emissions Controls
2	Fugitive emission sources (e.g., roads, piles, material transfers)	Reasonable controls
3	Screens; EL-JAY, rated at 200 T/hr	Water spray; Eagle Iron Works
3	Cement silos (4)	Vent filter; McNeilus Truck and Mfg. SVF 270, 650 cfm
3	Diesel generator; Detroit 8V-92, 200 kW	None

***Unregulated Sources***

- 1.4 Table 1.2 below lists sources of emissions that do not require specific permit limits.

**Table 1.2 UNREGULATED EMISSIONS SOURCES**

Source Description
Fuel oil tank

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**Location:** Portable

**Date Issued:** September 10, 2002

## **2. FACILITY-WIDE CONDITIONS**

### ***Fugitive Emissions***

- 2.1 All reasonable precautions shall be taken to prevent PM from becoming airborne in accordance with IDAPA 58.01.01.650-651.  
[IDAPA 58.01.01.650-651, 5/1/94]
- 2.2 Fugitive emissions generated from solid material transport, handling, and storage operations, road traffic and all other sources of fugitive emissions shall be reasonably controlled. Some of the reasonable precautions may include, but are not limited to, the following:
- Use of water or environmentally safe chemicals
  - Application of dust suppressants
  - Use of control equipment
  - Covering of open-bodied trucks
  - Paving
  - Prompt removal of earth or other stored material from streets, where practical.

[IDAPA 58.01.01.403, 5/1/94]

### ***Visible Emissions***

- 2.3 No person shall discharge any air pollutant to the atmosphere from any point of emission for a period or periods aggregating more than three minutes in any 60-minute period which is greater than 20% opacity as determined by procedures contained in IDAPA 58.01.01.625. These provisions shall not apply when the presence of uncombined water, NO<sub>x</sub>, and/or chlorine gas is the only reason(s) for the failure of the emission to comply with the requirements of this section.  
[IDAPA 58.01.01.625, 5/1/94]
- 2.4 Visible emission Limits at Property Boundary

Fugitive emissions shall not be observed leaving the property boundary for a period or periods aggregating more than three minutes in any 60-minute period. Visible emissions shall be determined by Method 22, 40 CFR Part 60, Appendix A, or a Department-approved alternative method.

[IDAPA 58.01.403, 5/1/94]

### ***Excess Emissions***

- 2.5 The permittee shall comply with the procedures and requirements of IDAPA 58.01.01.130-136 for excess emissions due to startup, shutdown, scheduled maintenance, safety measures, upsets, and breakdowns.  
[IDAPA 58.01.01.130, 4/5/00]

**AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT NUMBER: 777-00177**

**Permittee:** Valley Ready Mix, Inc.  
**Location:** Portable

**Date Issued:** September 10, 2002

***Monitoring and Recordkeeping***

- 2.6 The permittee shall maintain sufficient recordkeeping to assure compliance with all of the terms and conditions of this operating permit. Records of monitoring information shall include, but not be limited to, the following: (a) the date, place, and times of sampling or measurements; (b) the date analyses were performed; (c) the company or entity that performed the analyses; (d) the analytical techniques or methods used; (e) the results of such analyses; and (f) the operating conditions existing at the time of sampling or measurement. All monitoring records and support information shall be retained for a period of at least five years from the date of the monitoring sample, measurement, report, or application. Supporting information includes, but is not limited to, all calibration and maintenance records, and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. All records required to be maintained by this permit shall be made available in either hard copy or electronic format to Department representatives upon request.

[IDAPA 58.01.01.405.01, 5/1/94]

***Reports and Certifications***

2.7 Relocation

All existing portable equipment shall be registered. At least 10 days prior to relocation of any equipment covered by this permit, the permittee shall submit a scaled plot plan and in accordance with IDAPA 58.01.01.500, a complete Portable Equipment Registration and Relocation Form (available from the Department website at [http://www2.state.id.us/deq/air/equip\\_reloc.htm](http://www2.state.id.us/deq/air/equip_reloc.htm)) to the following:

PERF Processing Unit  
Idaho DEQ - Air Quality  
1410 N. Hilton  
Boise, ID 83706-1255

[IDAPA 58.01.01.500, 5/1/94]

- 2.8 Any reporting required by this permit, including, but not limited to records, monitoring data, supporting information, requests for confidential treatment, testing reports, or compliance certifications, shall contain a certification by a responsible official. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document(s) are true, accurate, and complete. Any reporting required by this permit shall be submitted to:

Air Quality Permit Compliance  
Department of Environmental Quality  
Idaho Falls Regional Office  
900 N. Skyline, Suite B  
Idaho Falls, ID 83402

[IDAPA 58.01.01.405.01, 5/1/94]

***Sulfur Content***

**AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT NUMBER: 777-00177**

**Permittee:** Valley Ready Mix, Inc.  
**Location:** Portable

**Date Issued:** September 10, 2002

2.9 No person shall sell, distribute, use, or make available for use any fuel oil containing more than the following percentages of sulfur:

- ASTM Grade No. 1 fuel oil - 0.3% by weight.
- ASTM Grade No. 2 fuel oil - 0.5% by weight.

[IDAPA 58.01.01.727 and 728, 5/1/94]

2.10 The permittee shall maintain documentation of supplier verification of fuel oil sulfur content on an as-received basis.

[IDAPA 58.01.01.405.01, 5/1/94]

***Air Stagnation Advisory Days***

2.11 The permittee shall comply with the Air Pollution Emergency Rules in IDAPA 58.01.01.550 through 562.

[IDAPA 58.01.01.550, 5/1/94]



**AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT NUMBER: 777-00177**

**Permittee:** Valley Ready Mix, Inc.  
**Location:** Portable

**Date Issued:** September 10, 2002

### 3. CONCRETE BATCH PLANT

#### 3.1 Process Description

This is a ready-mix concrete batch plant.

#### 3.2 Control Description

The cement silos are controlled by vent filters. The screens are controlled by wet suppression.

### ***Emissions Limits***

#### 3.3 Emission Limits

The PM and PM<sub>10</sub> emissions shall not exceed the limits in the following table.

**Table 3.1 EMISSION LIMITS**

Source Description	PM		PM <sub>10</sub>	
	lb/hr	T/yr	lb/hr	T/yr
Pre-screen material handling	3.53	15.45	1.23	5.41
Screening	9.60	42.05	7.20	31.54
Post-screen material handling	0.38	1.66	0.13	0.58
Cement silo filter vents	0.04	0.19	0.04	0.19
Weigh-hopper loading	0.33	1.45	0.33	1.45
Generator	0.42	0.41	0.42	0.41

[IDAPA 58.01.01.403, 5/1/94]

### ***Operating Requirements***

#### 3.4 Facility Production Limits

The production rate of the concrete batch plant shall not exceed a maximum of 90,000 cubic yards per month.

[IDAPA 58.01.01.403, 5/1/94]

#### 3.5 Generator Operating Hours

The diesel generator shall not operate more than 3,213 hours per any consecutive 12-month period.

[IDAPA 58.01.01.403, 5/1/94]

#### 3.6 Relocation Restrictions

The portable concrete batch plant shall only be operated in attainment areas. The permittee shall obtain Department approval prior to moving the facility into any PM<sub>10</sub> nonattainment area within the state of Idaho.

[IDAPA 58.01.01.403, 5/1/94]

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**3.7 Wet Suppression Technique**

The existing wet suppression system, or other control system that provides equivalent or better control efficiency, shall be used to control entire screening operation.

[IDAPA 58.01.01.403, 5/1/94]

**3.8 Cement Silo Filter (Cement silo baghouse)**

- Silo filters shall be used to control PM and PM<sub>10</sub> emissions from the silos of cement and fly ash.
- The permittee shall install, calibrate, maintain, and operate measuring equipment to continuously measure the pressure drop across the silo filters (cement silo baghouse).
- The pressure drop across the cement silo filters shall be maintained within manufacturer specifications. Documentation of manufacturer operating pressure drop specifications shall remain onsite at all times and shall be made available to Department representatives upon request.

[IDAPA 58.01.01.403, 5/1/94]

**3.9 Weigh Hopper Loading Control**

Sand and rock dropping from elevated bins to the weigh hopper above the concrete mixer shall take place inside of the batch plant, which is totally enclosed.

Cement and flyash dropped into the weigh hopper above the concrete mixer shall be a totally sealed transfer.

[IDAPA 58.01.01.403, 5/1/94]

***Monitoring and Recordkeeping Requirements***

All data listed below shall be recorded and kept at the facility for the most recent five-year period and shall be made available to Department representatives upon request.

**3.10 Production Rate**

The permittee shall monitor and record the monthly production rate.

[IDAPA 58.01.01.403, 5/1/94]

**3.11 Generator Operating Hours**

The permittee shall monitor and record daily, during operation, the operating hours of the generator.

[IDAPA 58.01.01.403, 5/1/94]

**3.12 Pressure Drop Across the Cement Silo Filters**

The permittee shall monitor and record the pressure drop across the cement silo filter once per week.

[IDAPA 58.01.01.403, 5/1/94]

**AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT NUMBER: 777-00177****Permittee:** Valley Ready Mix, Inc.**Date Issued:** September 10, 2002**Location:** Portable**4. FACILITY EMISSION RATE LIMITS SUMMARY**

Table 4.1 provides the emission rate limits for the sources in this permit.

**Table 4.1 EMISSION RATE LIMITS**

Source Description	PM		PM <sub>10</sub>	
	lb/hr	T/yr	lb/hr	T/yr
Pre-screen material handling	3.53	15.45	1.23	5.41
Screening	9.60	42.05	7.20	31.54
Post-screen material handling	0.38	1.66	0.13	0.58
Cement silo filter vents	0.04	0.19	0.04	0.19
Weigh-hopper loading	0.33	1.45	0.33	1.45
Generator	0.42	0.41	0.42	0.41

**Notes:**

Compliance determined by a pollutant-specific EPA reference method, Department-approved alternative, or as determined by the Department's emissions estimation methods used in this permit analysis.

Compliance with annual limits determined by multiplying the actual or allowable (if actual is not available) pound-per-hour emission rate by the allowable hours per year that the process(es) may operate(s), or by actual annual production rates.

PM and PM<sub>10</sub> limits include condensables.

**AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT NUMBER: 777-00177**

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**Date Issued:** September 10, 2002

**5. FACILITY EMISSIONS INVENTORY**

Table 5.1 provides a summary of the emissions inventory for criteria air pollutants based on the potential to emit (PTE). Any limitations imposed by this permit are included in calculating PTE. This table is for informational purposes only.

**Table 5.1 FACILITY EMISSIONS INVENTORY BASED ON PTE<sup>a</sup>**

Source	PM <sub>10</sub>	SO <sub>2</sub>	CO	NO <sub>x</sub>	VOC
	T/yr	T/yr	T/yr	T/yr	T/yr
Pre-screen material handling	5.4				
Screening	31.5				
Post-screen material handling	0.6				
Cement silo filter vents	0.2				
Weigh-hopper loading	1.5				
Generator	0.4	0.4	2.1	5.9	0.8
<b>Total</b>	<b>39.6</b>	<b>0.4</b>	<b>2.1</b>	<b>5.9</b>	<b>0.8</b>

<sup>a</sup> As determined by a pollutant-specific EPA reference method, a Department-approved alternative, or as determined by the Department's emissions estimation methods used in this permit analysis.

**AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT NUMBER: 777-00177**

**Permittee:** Valley Ready Mix, Inc.  
**Location:** Portable

**Date Issued:** September 10, 2002

**6. GENERAL PROVISIONS**

1. All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission of any pollutant in excess of the limitations specified herein, or noncompliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the *Rules for the Control of Air Pollution in Idaho*, and the Environmental Protection and Health Act, Idaho Code §39-101 et seq.
2. The permittee shall at all times (except as provided in the *Rules for the Control of Air Pollution in Idaho*) maintain and operate in good working order all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable laws for the control of air pollution.
3. The permittee shall allow the Director, and/or his authorized representative(s), the following upon the presentation of credentials:
  - To enter upon the permittee's premises where an emissions source is located, or in which any records are required to be kept under the terms and conditions of this permit.
  - At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit, to inspect any monitoring methods required in this permit, and to require stack emissions testing (i.e., performance tests) in conformance with state-approved or accepted EPA procedures when deemed appropriate by the Director.
4. Except for data determined to be confidential under Section 9-342A, *Idaho Code*, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Department of Environmental Quality.
5. Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically provided herein.
6. In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.
7. This permit shall be renewable on the expiration date, provided the permittee submits any and all information necessary for the Director to determine the amount and type of air pollutants emitted from the equipment for which this permit is granted. Failure to submit such information within 60 days after receipt of the Director's request shall cause the permit to become void.
8. The Director may require the permittee to develop a list of operation and maintenance procedures to be approved by the Department. Such list of procedures shall become a part of this permit by reference, and the permittee shall adhere to all of the operation and maintenance procedures contained therein.
9. The provisions of this permit are severable, and if any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.